

(March 17, 1930)

SOUND ABSORPTION COEFFICIENTS FOR SOME OF THE MORE COMMON MATERIALS.

MATERIAL	Absorption Coefficients for Frequencies					
	128	256	512	1024	2048	4096
Acoustex, 1" thick, spray painted	.12	.24	.35	.56	.77	
Acoustex, 2" thick	.22	.41	.64	.86	.84	
Balsam Wool, 1" thick, scrim facing	.18	.36	.55	.65	.67	
Celotex, Type B	.16	.26	.40	.62	.64	
Celotex, Type BB	.19	.42	.61	.72	.76	
Flaxlinum, 1" thick	.09	.31	.62	.77	.69	
Nashkote A, 1/2" thick	.05	.13	.25	.26	.20	
Nashkote A, 3/4" thick	.09	.16	.27	.30	.23	
Nashkote A, 1" thick	.12	.20	.33	.33	.28	
Nashkote B-332, 1/2" thick	.09	.15	.31	.52	.74	
Nashkote B-332, 3/4" thick	.12	.21	.40	.63	.81	
Nashkote B-332, 1" thick	.19	.26	.50	.73	.89	
Macoustic Plaster, stippled, 1/2" thick	.09	.14	.22	.27	.41	
Macoustic Plaster, 1/2" thick, stippled with large pins	.12	.20	.31	.39	.58	
Sabinite, 1/2" thick	.15	.17	.22	.29	.38	
Sanacoustic Tile, Rock Wool filler, 1" thick	.18	.25	.55	.86	.78	
Soundex, 1 3/16" thick, spray painted	.10	.22	.36	.53	.72	
Soundex, 1 7/16" thick, spray painted	.21	.26	.48	.68	.75	
U.S. Gypsum Tile, 3/4" thick	.16	.28	.52	.66	.58	
Balsa Wood, 13/16" thick	.04	.04	.09	.10	.09	.14





